Multispectral Camera

可同时捕捉短波红外线图像中4个波长的多波段相机

短波红外4个波段分光相机

AMS-013VIRLF2

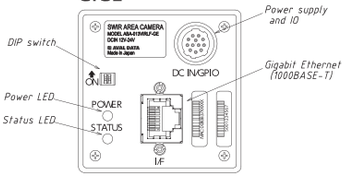
AMS-013VIRLF2 是一款多波段相机，
搭载索尼公司生产的 InGaAs ViSWIR 图像传感器 IMX990，
并在传感器前方配备了带通滤光片。
该型号为高精细、高分辨率的高端产品，像素尺寸为5μm，
可实现对 1200nm、1300nm、1450nm、1600nm 波段的光谱分离。

■ AMS-013VIRLF2 Specification

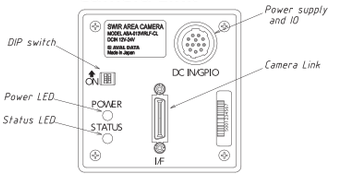
Model		AMS-013VIRLF2-GE	AMS-013VIRLF2-CL	AMS-013VIRLF2-CXP
Image sensor		Effective pixel：1280H×128V (Up to 32 lines per band) Pixel size：5μm×5μm Effective image size：6.4mm×0.64mm		
Interface		Gigabit Ethernet (1000BASE-T)	Camera Link (SDR)	CoaXPress (CXP-3)
Sensitivity wavelength		Band1 1200nm (Half width cloth 90nm) Band2 1300nm (Half width cloth 70nm) Band3 1450nm (Half width cloth 110nm) Band4 1600nm (Half width cloth 160nm)		
Imaging method		Line scan method		
Pixel clock cycle		74.25MHz　Data rate 18.5625MHz		
Frame rate	8bit	1500FPS (max)	1760FPS (max)	1760FPS (max)
	10bit	824FPS (max)	1760FPS (max)	1760FPS (max)
	12bit	848FPS (max)	1005FPS (max)	1005FPS (max)
Exposure time		6μsec～10msec (Setting range：6μsec to 9.99sec)		
Shutter method		Global shutter method		
S/N		54dB		
Read noise		200e-		
Gain		0dB～+12dB		
Main functions		Status LED, external trigger, various corrections (DSNU, PRNU, pixel defects, shading), ROI, field upgrade function		
Image output		8 / 10 / 12bit		
Synchronization		Internal synchronization		
Power		Input voltage range：DC+12V～DC+24V ±1V PoCXP：DC+18.5V～+26V　Power consumption：4.6W ※When using DC +12V		
Lens mount		Cmount 1/2 inch format or larger		
Operating temp / humidity		+0℃～+45℃ / 20～80% (non-condensing)		
Storage temp / humidity		-15℃～+65℃ / 20～80% (non-condensing)		
Dimensions		53 (W) ×53 (H) ×53 (D) mm (Excluding mount and protruding parts)		
Weight		220g		
Compliance		RoHS2、CE		
Camera update tool		SightCam		
SDK		Gigabit Ethernet (1000BASE-T)	Camera Link	CoaXPress
		For imaging / communication : SDK-AcapLib2 (Model : AZP-ACAP-02)		
		GigE Vision®, GenICam™, GenICam™ GenTL Compliance	HyperTerminal or compliant software	GigE Vision®, GenICam™, GenICam™ GenTL Compliance

Back side

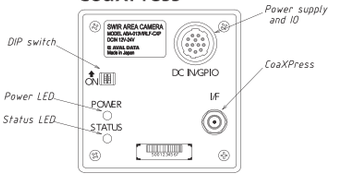
GiGE



Camera Link



CoaXPress



Imaging display screen example

Multi-band camera evaluation viewer: MSight